Tata Centre for Technology and Design (TCTD)

Tata Centre for Technology and Design, IIT Bombay (TCTD, IITB) acts as a virtual centre for teaching and research that draws faculty members and graduate students from various academic units across IIT Bombay. The centre aims to develop solutions to challenges faced by resource-constrained communities within India and across the world using an end to end innovation approach.

About the course

TCTD, IITB conducts courses in End-to-End Innovation for the academic circles outside IIT Bombay. To cater to the demand from continuing Education and Quality Improvement Programmes at IIT Bombay, and the Technical Education Quality Improvement Programme of Government of India and the industrial circles, the Centre organises a customised five-day course which is -

1 A unique combination of lectures, case studies, project exercises and hands-on fabrication sessions in the Product Realization Lab, on End-to-End Innovation.

2 A fair blend of hands-on-experience and successful case studies in social innovation and designing technology solutions.

3 An interactive attempt to engage with countrywide innovators through mentoring, fabrication and validation support.

4 An understanding of the process involved in designing and implementing technology solutions for identified needs and reaching out to them to the end consumer.

Aim

Help teachers and students understand the challenges of designing and implementing technology solutions from end to end

Structure

A blend of lectures, case studies and hands-on activities in the TCTD’s Product Realisation Lab from need-finding to developing innovative products

Audience

Faculty & students from the various engg. colleges and participants from industrial circles

Lab support

TCTD’s Product Realisation Lab and the mentoring lab staff

Faculty

IIT Bombay faculty members and practitioners with Tata Centre projects

Course content

Structured based on the participants’ background and areas of interest, case studies on Tata Centre projects with the availability of the IIT Bombay course faculty

Course participants

To be selected by TCTD, IITB, based on interests, background, and practical exposure to the innovation process